

|   |   |   |
|---|---|---|
| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>   |   | ATTORNEY'S DOCKET NUMBER<br>1422-0666PUS1                           |
|   |   | U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br><b>10/526369</b> |
| INTERNATIONAL APPLICATION NO.<br>PCT/JP2003/011329 ✓  | INTERNATIONAL FILING DATE<br>5 September 2003 ✓ | PRIORITY DATE CLAIMED<br>5 September 2002 ✓                         |
| TITLE OF INVENTION      METHOD OF SCREENING PHYSIOLOGICALLY ACTIVE SUBSTANCE  |   |   |
| APPLICANT(S) FOR DO/EO/US      Iwao KATSUYAMA; Tsutomu ARAKAWA; Masao TOKUNAGA and Tadashi YAMAMOTO   |   |   |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:   |   |   |
| 1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.<br>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.<br>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.<br>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).<br>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))<br>✓ a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).<br>b. <input type="checkbox"/> has been communicated by the International Bureau.<br>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).<br>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).<br>✓ a. <input checked="" type="checkbox"/> is attached hereto.<br>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).<br>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))<br>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).<br>b. <input type="checkbox"/> have been communicated by the International Bureau.<br>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.<br>d. <input checked="" type="checkbox"/> have not been made and will not be made.<br>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).<br>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).<br>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)). |   |   |
| Items 11 to 20 below concern document(s) or information included:   |   |   |
| 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.<br>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.<br>13. <input checked="" type="checkbox"/> A preliminary amendment.<br>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.<br>15. <input type="checkbox"/> A substitute specification.<br>16. <input type="checkbox"/> A power of attorney and/or change of address letter.<br>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.<br>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).<br>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).<br>20. <input checked="" type="checkbox"/> Other items or information: PCT/ISA/210; PCT/IB/306; Five Sheets of Sequence listings & Thirty (30) pages of Formal Drawings   |   |   |

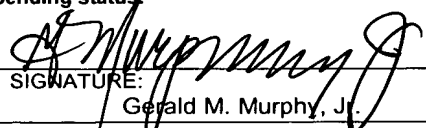
DT06 Rec'd PCT/PTO 0 3 MAR 2005

PTO-1390 (Rev. 02-2005)

Approved for use through 03/31/2007. OMB 0651-0021

U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

|  |   |   |  |   |              |
|--|---|---|--|---|--------------|
| U.S. APPLICATION NO. (if known, see 37 CFR 1.51)<br><b>10/526369</b>   |   | INTERNATIONAL APPLICATION NO.<br>PCT/JP2003/011329  |  | ATTORNEY'S DOCKET NUMBER<br>1422-0666PUS1 |              |
| The following fees have been submitted   |   |   |  | CALCULATIONS                              | PTO USE ONLY |
| 21.  | <input checked="" type="checkbox"/> Basic national fee  | \$300   |  | \$ 300.00                                 |              |
| 22.  | <input checked="" type="checkbox"/> Examination fee   |   |  |   |              |
| If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) \$100   |   |   |  |   |              |
| All other situations \$200   |   |   |  | \$ 200.00                                 |              |
| 23.  | <input checked="" type="checkbox"/> Search fee  |   |  |   |              |
| Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority \$100  |   |   |  |   |              |
| International Search Report prepared and provided to the Office \$400  |   |   |  |   |              |
| All other situations \$500   |   |   |  | \$ 500.00                                 |              |
| TOTAL OF 21, 22 and 23 =   |   |   |  | \$ 1,000.00                               |              |
| <input checked="" type="checkbox"/>  | Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. |   |  |   |              |
| Total Sheets   | Extra sheets  | Number of each additional 50 or fraction thereof (round up to a whole number)   | RATE   |   |              |
| 121 - 100 =  | 21 /50 =  | 1   | x \$250.00   | 250.00                                    |              |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).  |   |   |  | \$  |              |
| CLAIMS   | NUMBER FILED  | NUMBER EXTRA  | RATE   |   |              |
| Total claims   | 21 - 20 =   | 1   | x 50.00  | \$ 50.00                                  |              |
| Independent claims   | 2 - 3 =   |   | x  | \$ 0.00                                   |              |
| MULTIPLE DEPENDENT CLAIM(s) (if applicable)  |   |   | + 360.00   | \$ 360.00                                 |              |
| TOTAL OF ABOVE CALCULATIONS =  |   |   |  | \$ 1,660.00                               |              |
| <input type="checkbox"/>   | Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.   |   |  | \$  |              |
| SUBTOTAL =   |   |   |  | \$ 1,660.00                               |              |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).   |   |   |  | +   | \$           |
| TOTAL NATIONAL FEE =   |   |   |  | \$ 1,660.00                               |              |
| Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property  |   |   |  | +   | \$ 40.00     |
| TOTAL FEES ENCLOSED =  |   |   |  | \$ 1,700.00                               |              |
|  |   |   |  | Amount to be refunded:                    | \$           |
|  |   |   |  | Amount to be charged:                     | \$           |
| a.   | <input checked="" type="checkbox"/>   | A check in the amount of \$ 1,700.00 to cover the above fees is enclosed.   |  |   |              |
| b.   | <input type="checkbox"/>  | Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.   |  |   |              |
| c.   | <input checked="" type="checkbox"/>   | The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-2448. A duplicate copy of this sheet is enclosed.  |  |   |              |
| d.   | <input type="checkbox"/>  | Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038. |  |   |              |
| <b>NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.</b> |   |   |  |   |              |
| SEND ALL CORRESPONDENCE TO:  |   |   |  |   |              |
| CUSTOMER NUMBER: 02292<br>March 3, 2005<br>/smt  |   |   | <br>SIGNATURE: _____<br>NAME: Gerald M. Murphy, Jr.<br>28,977<br>REGISTRATION NUMBER |   |              |